CONNECTICUT DEPARTMENT OF TRANSPORTATION



CONDITION INSPECTION FOR THE DANBURY STATION

GENERAL RECOMMENDATION 3

PREPARED BY: URBITRAN ASSOCIATES, INC.

DATE: 7/24/02

CONN. DEPT OF TRANSPORTATION STATION INSPECTION

INSPECTION RATING SCALE

The following rating scale is used for inspections:

- **1-** Totally deteriorated, or in failed condition.
- **2-** Serious deterioration, or not functioning as originally designed.
- **3-** Minor deterioration, but functioning as originally designed.
- **4-** New condition. No deterioration.
- **5-** Not applicable.
- **6-** Condition and/or existence unknown.

| STATION: | Danbury | | | CONN. DE | PT OF TRA | NSPORT | TATION |
|------------|----------------|----|-------|------------|-----------|--------|--------|
| LINE: | Danbury | _ | | STATION II | NSPECTIO | N REPO | RT |
| INSPECTION | DATE: 12-1-01 | | | SHEET | 1 | OF | 42 |
| INSPECTION | AGENCY / FIRM: | UA | _ | · | | | |
| INSPECTORS | S: WV, RGW | | | | | | |
| WEATHER: | Sunny, 60's | | | | | | |

| | | | | PLAT | FORM | 1 ELE | MENT | - | | | | CAN | OPY | | SUPER- STRUCTURE | FOU | NDAT | IONS |
|----------|-----------|-----------------|----------|----------|-------------------|-----------|--------------------|-----------------|-------------------------------|----------------------------|-----------------|------------------------|-----------------------|------------------|----------------------|--------|-----------|-------------------|
| SPAN NO. | ٦ RAILING | № RAILING PAINT | ω STAIRS | SLNIOF 4 | 4 TOP OF PLATFORM | စ BENCHES | 4 SIGN / BILLBOARD | ω WARNING STRIP | Φ PLATFORM EDGE RUBBING BOARD | 5 PEDESTRIAN TUNNEL | COLUMNS OVERALL | COLUMN BASE @ PLATFORM | ROOF FRAMING ELEMENTS | ROOFING MATERIAL | 15 DOUBLE TEE | 16 HER | 5 FOOTING | 8 EROSION / SCOUR |
| I | 5 | 5 | 4 | 4 | 4 | 5 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 |
| II | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 |
| III | 5 | 5 | 5 | 4 | 4 | 5 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 |
| IV | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 |
| V | 5 | 5 | 5 | 4 | 4 | 5 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 |
| VI | 5 | 5 | 5 | 4 | 2 | 5 | 5 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 3 | 3 |
| VII | 5 | 5 | 5 | 4 | 4 | 5 | 3 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 |
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| STATION: Danbury LINE: Danbury INSPECTION DATE: 11-29-01 INSPECTION AGENCY / FIRM: UA INSPECTORS: PK, RGW WEATHER: Drizzle | CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 2 OF 42 |
|--|--|
| BUILDING ELEMENTS INTERIOR ELEMENTS | |
| 19. FLOOR: 4 20. CEILING: 4 21. WINDOWS: 4 22. DOORS: 4 23. FINISH: 3 24. HARDWARE: 1 | |
| EXTERIOR ELEMENTS | |
| 25. DOORS: 3 26. WINDOWS: 3 27. FACADE / FINISH: 4 28. FOUNDATION: 6 29. SETTLEMENT: 4 30. ROOF: 4 31. RAMP: 4 32. SIDEWALK: 3 33. HARDWARE: 4 | |
| REMARKS: | |
| This building has been built with in the last 5 years. | |

| STATION: Danbury | CONN. DEPT OF TRANSPORTATION |
|---|------------------------------|
| LINE: Danbury | STATION INSPECTION REPORT |
| INSPECTION ACENCY / FIRM: | SHEET <u>3</u> OF <u>42</u> |
| INSPECTION AGENCY / FIRM: UA | _ |
| INSPECTORS: WV, RGW WEATHER: Sunny, 60's | |
| | |
| PARKING ELEMENTS | |
| QUADRANT # 1 | |
| TYPE OF SURFACE: asphalt x PAVED; OTHER (DESCRIBE) | _GRAVEL;DIRT; |
| CONDITION OF PAVED SURFACE: 4 | |
| CONDITION OF STRIPING: 3 | |
| CONDITION OF BASIN / DRAINS / ETC: 3 (FOR LOCATION SEE SHEET: see page 1) | |
| SIGNAGE: 4 | |
| FENCE AND GUARDRAIL: 3 | |
| LANDSCAPE: 3 | |
| SIDEWALK: 5 | |
| CURB: 2 | |
| QUADRANT# 2 | |
| TYPE OF SURFACE: asphalt x PAVED; OTHER (DESCRIBE) | _GRAVEL;DIRT; |
| CONDITION OF PAVED SURFACE: 4 | |
| CONDITION OF STRIPING: 3 | |
| CONDITION OF BASIN / DRAINS / ETC: 3 (FOR LOCATION SEE SHEET: see page 1) | |
| SIGNAGE: 4 | |
| FENCE AND GUARDRAIL: 3 | |
| LANDSCAPE: 4 | |
| SIDEWALK: 3 | |
| CURB: 2 | |

| STATION: | Danbury | CONN. DEPT OF TRANSPORTATION |
|---------------------------|--------------------------|------------------------------|
| LINE: | New Haven-Danbury Branch | STATION INSPECTION REPORT |
| INSPECTION DATE: | January 24, 2002 | SHEET 4 OF 42 |
| INSPECTION AGENCY / FIRM: | Parsons Brinckerhoff | |
| INSPECTORS: | Jim Connell & Dave Lang | |
| TIME OF INSPECTION: | A.M. | |
| WEATHER: | Light Rain | |
| | | |

PLATFORM --- LIGHTING

| Span Number | Fixture Type | Manufacturer | Model Number | Rating | Support Condition | Estimated Age/Life(y/y) | Visual Condition |
|----------------|------------------|--------------|-----------------|--------|------------------------|----------------------------|---------------------|
| all | 4 ft fluorescent | unknown | unknown | 3 | minor deterioration | 2/ 10 | minor deterioration |
| | | | | | | | |
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Remarks: The lighting fixtures do not have a continuous seal and will allow for moisture to penetrate the fixtures. Premature fixture failure will likely occur.

A typical section of the platform light level was measured and found to average 17.5 fc

PLATFORM --- LIGHTING LEVELS (fc)

| TRACKS{ | | | | | | | | | | | | | | | | | |
|---------|--------|-----|-----|-------------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|
| | see re | ema | rks | avg 17.5 | | see | rema | arks | see | rema | arks | see | rema | arks | see | rema | arks |
| | | | | NOR | ГНВС | DUNI | D/SC | UTH | IBOL | JND | PLA | TFO | RM | | | | |

STATION: Danbury

LINE: New Haven-Danbury Branch

INSPECTION DATE : January 24, 2002
INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
INSPECTORS: Jim Connell & Dave Lang

TIME OF INSPECTION: A.M.

WEATHER: Light Rain

PLATFORM --- SERVICE

CONN. DEPT OF TRANSPORTATION

STATION INSPECTION REPORT

SHEET <u>5</u> OF <u>42</u>

| Voltage Rating (V) | n/a | Type of 3 phase conr | Delta | n/a | Wye | n/a | |
|----------------------------|-----|--------------------------|-------|------------|-----|-------------|-----|
| | | Method of Entrance | | Overhead | n/a | Underground | Χ |
| Rating of Main Breaker (A) | n/a | Origin of Service | | Pole | n/a | Transformer | n/a |
| | | Code Compliant | | Yes | Χ | No | n/a |
| Quantity of Phases | n/a | Pole Number n/a & Street | а | Wire Sizes | n/a | | |

Remarks: The electrical service to the platform originates from the building, see Station Building Service Sheet.

PLATFORM --- ELECTRICAL SYSTEMS

| Electrical Device | Manufacturer | Model Number | Rating | Location | Estimated Age/Life(y/y) | Visual Condition |
|----------------------------|--------------|-----------------|--------|----------|----------------------------|---------------------|
| Main Distribution Panel | n/a | n/a | n/a | n/a | n/a | n/a |
| Main Disconnect Switch | n/a | n/a | n/a | n/a | n/a | n/a |
| Transformer | n/a | n/a | n/a | n/a | n/a | n/a |
| Receptacles | unknown | unknown | 3 | platform | 2/ 20 | minor deterioration |
| Grounding | unknown | unknown | 3 | platform | 2/ 20 | minor deterioration |
| Lighting Controls | unknown | unknown | 3 | unknown | 2/ 20 | minor deterioration |
| Public Telephone | n/a | n/a | n/a | n/a | n/a | n/a |
| Station Telephone | n/a | n/a | n/a | n/a | n/a | n/a |
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| Remarks: | | | | | | |
|----------|---|----------|---|----------|---|--|
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| STATION: <u>Danbury</u> CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET <u>6</u> OF <u>42</u> | |
|--|--|
| INSPECTORS: Jim Connell & Dave Lang DATE: January 24, 2002 | |
| STATION PLATFORM ELECTRICAL AND LIGHTING SUMMARY | |
| There are several NEC compliant GFCI receptacles located in various | |
| locations on the platform. | |
| A continuous row of lights is installed under the canopy that maintain an | |
| average of 17.5 foot-candles, which exceeds the minimum light | |
| levels as recommended by the IESNA. However, the gaskets at | |
| the lenses are not continuous and may allow moisture to penetrate | |
| the fixture and compromise the fixtures light output. There is no | |
| recommendation at this time to replace them, but it is likely that | |
| these fixtures will need to be replaced within ten years, if the above | |
| item is not addressed. | |
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STATION: Danbury

INSPECTION AGENCY / FIRM:
INSPECTION AGENCY / FIRM:
INSPECTION:
INSPECTION:
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INSPECTORS:
INSPECTORS:
Jim Connell & Dave Lang
A.M.
WEATHER:
Light Rain

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET ___7 OF __42

STATION BUILDING --- LIGHTING

| Fixture Type | Manufacturer | Model Number | Rating | Support Condition | Estimated Age/Life(y/y) | Visual Condition |
|---------------------------|--------------|-----------------|--------|----------------------|----------------------------|---------------------|
| linear fluorescent | unknown | unknown | 3 | 3 | 2/ 20 | minor deterioration |
| 2'x4' fluorescent | unknown | unknown | 3 | 3 | 2/ 20 | minor deterioration |
| compact fluorescent | unknown | unknown | 3 | 3 | 2/ 20 | minor deterioration |
| industrial fluorescent | unknown | unknown | 3 | 3 | 2/ 20 | minor deterioration |
| | | | | | | |
| Exit | unknown | unknown | 3 | 3 | 2/ 20 | minor deterioration |
| Emergency Egress | unknown | unknown | 3 | 3 | 2/ 20 | minor deterioration |

Remarks: A typical section of the waiting room was measured and found to average 8.18 fc.

STATION BUILDING --- LIGHTING LEVELS (fc)

| ROOM DESC: | Α | В | С | D | ROOM DESC: | Α | В | С | D |
|-------------------|---|------|---|---|---------------|---|---|---|---|
| 1 waiting room | | | | | 1 not used | | | | |
| 2 | | avg | | | 2 | | | | |
| 3 | | 8.18 | | | 3 | | | | |
| 4 | | | | | 4 | | | | |
| Ĺ | | | | |] | | | | |
| ROOM DESC: | Α | В | С | D | ROOM DESC: | Α | В | С | D |
| not used | | | | | 1 not used | | | | |
| 2 | | | | | 2 | | | | |
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| STATION: | CONN. D | PPT O | F TRAN | ISPOR | TATION | |
|---------------------------|--------------------------|---------|---------|--------------|--------|----|
| LINE: | New Haven-Danbury Branch | STATION | I INSPE | CTION | 1 REPO | RT |
| INSPECTION DATE: | January 24, 2002 | SHEET | 8 | OF | 42 | |
| INSPECTION AGENCY / FIRM: | Parsons Brinckerhoff | • | | | | _ |
| INSPECTORS: | Jim Connell & Dave Lang | | | | | |
| TIME OF INSPECTION: | A.M. | | | | | |
| WEATHER: | Light Rain | | | | | |

STATION BUILDING --- SERVICE

| Voltage Rating (V) | 120/208 | Type of 3 phase of | Delta | n/a | Wye | Х | |
|----------------------------|---------|---|----------|------------|-------------|------|--|
| | | Method of Entran | Overhead | n/a | Underground | Χ | |
| Rating of Main Breaker (A) | 200 | Origin of Service | Pole | n/a | Transformer | Χ | |
| | | Code Compliant | Yes | Χ | No | n/a | |
| Quantity of Phases | 3 | Pole Number CL&P 1120 & Street parking lot | | Wire Sizes | unk | nown | |
| Remarks: | | | | | | | |

STATION BUILDING --- ELECTRICAL SYSTEMS

| Electrical Device | Manufacturer | Model Number | Rating | Location | Estimated Age/Life(y/y) | Visual Condition |
|----------------------------|--------------|-------------------|---------|----------------------|----------------------------|---------------------|
| Main Distribution Panel | Siemens | S3C42ML 275FTS | 3 | equipment room | 2/ 20 | minor deterioration |
| Main Disconnect Switch | Siemens | SN424 | 3 | equipment room | 2/ 20 | minor deterioration |
| Transformer | unknown | unknown | unknown | unknown | 2/ 20 | new condition |
| Receptacles | unknown | unknown | 3 | throughout | 2/ 20 | minor deterioration |
| Grounding | unknown | unknown | unknown | unknown | 2/ 20 | unknown |
| Lighting Controls | Siemens | unknown | 3 | equipment room | 2/ 20 | minor deterioration |
| Public Telephone | unknown | unknown | n/a | building exterior | n/a | operational |
| Station Telephone | unknown | unknown | n/a | ticket booth | n/a | operational |
| Panel LP | Siemens | S3C30E4100 FTF | 3 | equipment room | 2/ 20 | minor deterioration |
| | | | | | | |
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| Remarks: | | | | | | |

| STATION: Danbury | CONN. DEPT OF TRANSPORTATION |
|--|------------------------------|
| LINE: New Haven-Danbury Branch | STATION INSPECTION REPORT |
| INSPECTION DATE: January 24, 2002 | SHEET 9 OF 42 |
| INSPECTION AGENCY / FIRM: Parsons Brinckerhoff | <u> </u> |
| INSPECTORS: Jim Connell & Dave Lang | |
| TIME OF INSPECTION: A.M. | |
| WEATHER: Light Rain | |

STATION BUILDING --- FIRE ALARM SYSTEM

| Fire Alarm | Manufacturer | Model | Quantity | Location | Estimated | Visual Condition | Rating |
|------------------------|--------------|---------|-------------|------------|---------------|---------------------|--------|
| Device | | Number | - | | Age/Life(y/y) | | _ |
| Fire Alarm | Simplex | 4001 | 1 | equipment | 2/ 20 | minor deterioration | 3 |
| Control Panel | | | | room | | | |
| Heat Detector | unknown | unknown | see remarks | throughout | 2/ 20 | minor deterioration | 3 |
| Smoke Detector | unknown | unknown | see remarks | throughout | 2/ 20 | minor deterioration | 3 |
| Pull Station | Simplex | unknown | see remarks | throughout | 2/ 20 | minor deterioration | 3 |
| Annunciator | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Audio/Visual Device | Simplex | unknown | see remarks | throughout | 2/ 20 | minor deterioration | 3 |

| Device | | | | | | |
|----------|-----|------------------|----------------|------------|----------|--|
| Remarks: | Cor | mpliant with NFF | A 72 and/or AD | DΑ | | |
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| | | | STATION | DIIII DINC | eveteuee | |
| _ | | | STATION | BUILDING | SKETCHES | |
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| STATION: <u>Danbury</u> | CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 10 OF 42 |
|---|---|
| INSPECTORS: Jim Connell & Dave Lang | DATE: January 24, 2002 |
| STATION BUILDING ELECTRI | ICAL AND LIGHTING SUMMARY |
| The building has recently been built with | • |
| | serving the space and also have |
| | The building electrical and lighting |
| systems are in good repair and w operate into the future. | rill only need general maintenance to |
| The waiting room maintains an average of | of 8.18 foot-candles, which exceeds |
| the minimum light levels as recomme | |
| emergency lighting are operational ar | • |
| 101. | , |
| The fire alarm system meets the requirer | ments of the ADA and NFPA 72. |
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STATION: Danbury

LINE: New Haven - Danbury Branch
INSPECTION DATE: January 24, 2002
INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
INSPECTORS: J. Duncan & T. Abrahamson
TIME OF INSPECTION: A.M.

WEATHER: Light Rain

CONN. DEPT OF TRANSPORTATION
STATION INSPECTION REPORT
SHEET 11 OF 42

BUILDING -- HVAC - Fire Protection

| I wo sma | ali vveii | McLain | not wa | iter bo | ilers |
|----------|-----------|----------|--------|---------|-------|
| Model H | E II-5 S | Serial 1 | | | |

BOILER: Natural Gas input 133,000 Btu/hr, Good Repair

Water Heater 50 gallon gas fired. Good Repair

FUEL TYPE: natural gas

Units (2) in the attic, one unit for waiting area

and restrooms. The other unit is for the cafeteria and ticket office.

Each unit has a hot water heating coil and a cooling

HEATING UNIT / FURNACE: coil. Good Repair

FUEL TYPE: N/A

HEATING FILTER: Filters in Good Repair

Units (2) in the attic, one unit for waiting area

and restrooms. The other unit is for the cafeteria and ticket office.

Each unit has a hot water heating coil and a cooling

AC UNIT: coil. Good Repair

WATER HEATER:

AC FILTER: Filters in Good Repair

DUCTS: Ducts in the attic insulated in Good Repair.

OF DAMPERS: N/A

CONDITION OF DAMPERS: N/A

Each area (each bathroom, waiting room, ticket room) has its own thermostat

THERMOSTATS: not programmable type (Honeywell and Barber Colman), Good Repair

NIGHT SET BACK: None

PUMPS: Two hot water circulating pumps Model 1 GTS, Good Repair

PIPING: All in Good Repair, all insulated

STATION: Danbury

LINE: New Haven - Danbury Branch

INSPECTION DATE: January 24, 2002

INSPECTION AGENCY / FIRM: Parsons Brinckerhoff

INSPECTORS: J. Duncan & T. Abrahamson

TIME OF INSPECTION: A.M.

WEATHER: Light Rain

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 12 OF 42

BUILDING -- HVAC - Fire Protection Cont.

Linear diffusers along the two windows/glass doors sides, Good Repair Return grilles on the ceiling along the wall of the restrooms, Good Repair

One gas meter at the side of the building, Good Repair.

Outdoors

One large air cooled condenser on one side of the building, Make: Trane, Good Repair

Two small air cooled condensers outdoors at the opposite side of the building Make: Trane XE-1000 Model TTRO24C100A1 Serial K3211LLAF, Good Repair

Fire Protection

Portable fire extinguishers are located in the equipment room and the ticket office.

STATION: Danbury

LINE: New Haven - Danbury Branch CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT INSPECTION DATE: January 24, 2002

INSPECTION AGENCY / FIRM: Parsons Brinckerhoff
INSPECTORS: J. Duncan & T. Abrahamson
TIME OF INSPECTION: A.M.

WEATHER: Light Rain SHEET 13 OF 42

PLATFORM - PLUMBING

| SPAN | GUTTER | DOWNSPOUT/ | CLEAN-OUTS | SPAN | GUTTER | DOWNSPOUT/ | CLEAN-OUTS |
|------|---------------|-------------------|----------------------|----------------|-------------|--------------------|-------------|
| NO. | 0011211 | PIPING | 0227111 0010 | NO. | OUTTER | PIPING | 022711 0010 |
| | | | | | | | |
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| | | | | | | | |
| All | Platform rain | canopy has welde | d gutters, which ar | e heavy sheet | metal. They | require recaulking | at seams. |
| All | Downspouts | are heavy sheet m | etal, painted in ver | y good repair. | | | |
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PLATFORM - FIXTURES -- N/A

| SPAN #: | SPAN #: | SPAN #: |
|---------------|---------------|---------------|
| MODEL: | MODEL: | MODEL: |
| YEAR: | YEAR: | YEAR: |
| MANUFACTURER: | MANUFACTURER: | MANUFACTURER: |
| CONDITION: | CONDITION: | CONDITION: |

| STATION: Danbury | | CONN. DEPT OF TRANSPORTATION | | | RTATION |
|----------------------------------|---------------------------|------------------------------|---------|--------|---------|
| LINE: New Haven - Danbury Branch | | STATION II | NSPECTI | ON REP | ORT |
| INSPECTION DATE: | January 24, 2002 | SHEET | 14 | OF | 42 |
| INSPECTION AGENCY / FIRM: | Parsons Brinckerhoff | | | | |
| INSPECTORS: | J. Duncan & T. Abrahamson | | | | |
| TIME OF INSPECTION: | A.M. | | | | |
| WEATHER: | Light Rain | | | | |

BUILDING - PLUMBING

| PIPING: Insulated, Good Repair WATER PRESSURE: Normal DRAINS: Good Repair FAUCET/FIXTURES: * MODEL: unidentified | _ | Both restrooms are up-to-date, modern in complete conformance with ADA requirements and have water conservation fixtures Women's Room 1 Handicapped Toilet - Good Repair 2 Regular Toilets - Good Repair |
|---|-----|--|
| * YEAR: unidentified * MANUFACTURER: unidentified * CONDITION: Good Repair | | 2 Lavatories with insulated pipes - Good Repair Hot and cold water Louvered door Exhaust fan working Floor drain - Good Repair |
| PIPING: WATER PRESSURE: | _ | Recessed hot water cabinet heater with remote thermostat-Coleman - Good Repair Thermostat is not properly calibrated, Good Repair |
| DRAINS: FAUCET/FIXTURES: * MODEL: * YEAR: * MANUFACTURER: * CONDITION: | N/A | Water meter in equipment room - Good Repair Slop sink in equipment room - Good Repair In the waiting area there are two drinking fountains that are stainless steel, one regular, one handicapped, both in Good Repair Men's Room |
| EXTERIOR SPRINKLER: FAUCET/FIXTURES: * MODEL: * YEAR: * MANUFACTURER: * CONDITION: | N/A | 1 Handicapped Toilet - Good Repair 1 Handicapped Urinal - Good Repair 1 Regular urinal - Good Repair 1 Lavatory Regular - Good Repair 1 Lavatory with insulated pipes - Good Repair Hot and cold water Louvered door Exhaust fan working Floor drain - Good Repair Recessed hot water cabinet heater with remote thermostat-Coleman- Good Repair |
| | | Thermostat is not properly calibrated, Good Repair |

Building gutters and downspouts in Good Repair.

Downspouts are galvanized sheet metal, one is deteriorated at the bottom.

| STATION: <u>Danbury</u> | CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 15 OF 42 |
|--------------------------------------|---|
| INSPECTORS: J. Duncan, T. Abrahamson | DATE: <u>January 24, 2002</u> |

STATION - MECHANICAL SUMMARY

The station was recently constructed. All the mechanical equipment is in excellent condition.

HVAC

The HVAC system is forced hot air and cooled air supplied from two HVAC units with a hot water (winter) and a chilled water (summer) coil. The HVAC system is split into two systems each having an air conditioning/heating unit. One unit works with one large air-cooled condenser; this unit serves the restrooms, equipment room and the large waiting area. There are linear supply diffusers and linear air return registers along the perimeter of the waiting area. There is a hot water recessed cabinet unit heater in each restroom and one hot water heater in the equipment room. Each area is equipped with a non-programmable thermostat. The second unit works with two smaller air-cooled condensers, serving the ticket office, and the kitchen area (at the present time not rented and unoccupied). Each area has its own thermostat, which is not programmable type. In these areas there is a two way diffuser and a 2'X2' air return grille.

There is a ¾" back flow preventer for the make-up water for the boiler exchanger, which is defective and is planned to be replaced by the town-engineering department.

Plumbing

The men's room and a women's room are in excellent condition. The plumbing system is in complete compliance with ADA requirements and has water conservation fixtures.

There are two drinking fountains located in the waiting area. One is handicapped accessible.

Storm Drainage for Building/Platform

Building gutters and downspouts are in good condition. The Platform has thick painted sheet metal gutters and downspouts. These are in good condition but require caulking at gutter seams.

STATION: Danbury

LINE: New Haven-Danbury Branch

INSPECTION DATE: May 10, 2002

INSPECTION AGENCY/FIRM: Warren & Panzer Engineers

INSPECTORS: Hortense Oliveira

WEATHER: Good

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 16 of 42

HAZARDOUS MATERIALS INSPECTION

LEAD-BASED PAINT

Note: The LBP inspection was conducted using an RMD LPA-1 spectrum X-Ray Fluorescence Analyzer (XRF). The Department of Housing and Urban Development (HUD) recommend XRF analysis for inspection of lead in paint. XRF readings were taken of surfaces coated with suspect LBP. The XRF was operated in "Quick Mode" for this project. In Quick Mode, the measurement time is determined by the LPA-1 Analyzer to achieve a 95% confidence measurement compared to an action level (1.0 mg/cm2).

Platform

| Surfaces Tested | # of Locations Tested | Lead Presence (>1 mg/cm2) | Rating |
|------------------------|-----------------------------|---------------------------------|--------|
| Canopy Columns | 3 | No | 3 |
| Platform Warning Strip | 1 | No | 3 |
| Canopy Beams | 2 | No | 4 |

Station Building

| Surfaces Tested | # of Locations Tested | Lead Presence (>1 mg/cm2) | Rating |
|-----------------|--------------------------|---------------------------------|--------|
| Walls | 4 | No | 4 |
| Door Frames | 1 | No | 4 |
| Radiator Covers | 1 | No | 4 |

| Surfaces Tested | # of Locations Tested | Lead Presence (>1 mg/cm2) | Rating |
|--------------------|--------------------------|---------------------------------|--------|
| Concrete Barricade | 4 | No | 2 |
| Ramp Hand Rails | 1 | No | 4 |

SUSPECT ASBESTOS-CONTAINING MATERIALS

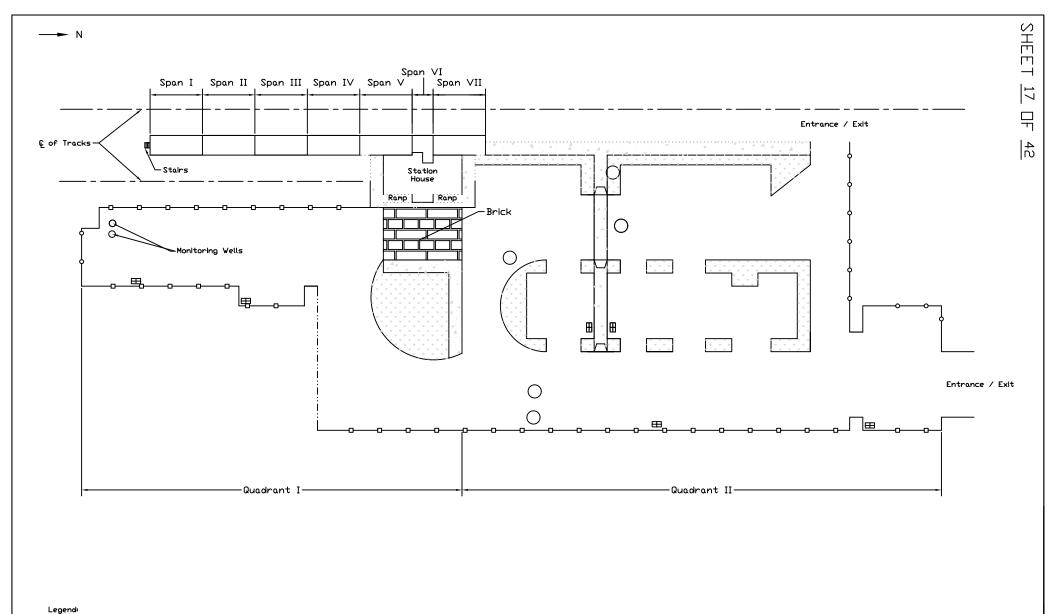
Listed below are suspect asbestos-containing materials that were observed during a visual inspection. Materials were found to be in fair to good condition. Any future disturbance of these materials should be preceded by the collection of samples and laboratory analysis of these samples. This work must be performed by a certified inspector.

Platform

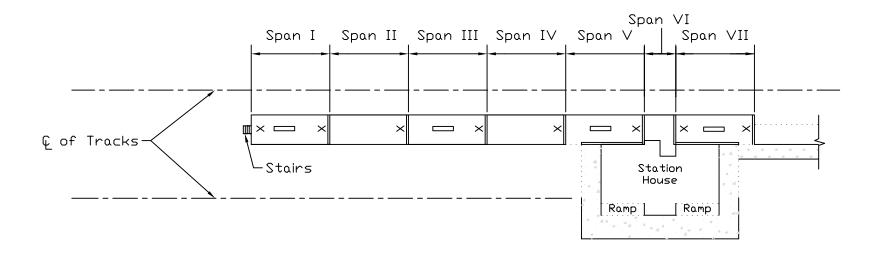
| Suspect Materials | Rating |
|--|--------|
| Caulking on Canopy Beams | 3 |
| Yellow Warning Strip Line Caulking | 3 |
| Caulking at Base of Canopy Metal Columns | 3 |

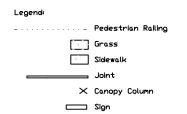
Station House

| Suspect Materials | Rating |
|--|--------|
| Caulking at the Perimeter Base of Building | 3 |
| Roof Shingles | 3 |
| Window Frame Caulking | 3 |









NOTES:

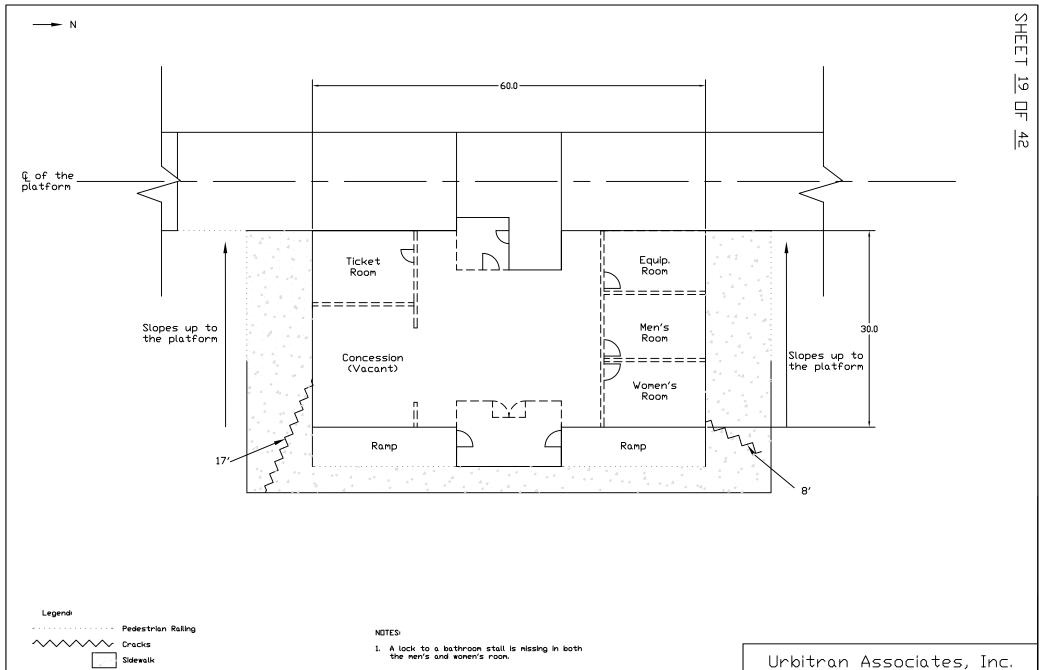
1. Top of the platform exhibits 25% map cracking in Span VI

Urbitran Associates, Inc.

Connecticut Dept. of
Transportation

Danbury Station
Platform Plan

Date: 12-04-01



Urbitran Associates, In

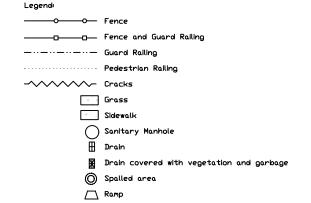
Connecticut Dept. of

Transportation

Danbury Station

Building Plan

Date: 12-05-01



-Quadrant I-

NOTES

 The concrete sidewalk on the West side exhibits typical rusting and crackes below the railing.

-Quadrant II

Urbitran Associates, Inc.

Connecticut Dept. of
Transportation

Danbury Station
Parking Plan

Date: 12-04-01

| STATION: | Danbury | CONN. DEPT OF TRANSPORTATION |
|----------|---------|------------------------------|
| | | STATION INSPECTION REPORT |
| | | SHEET 21 OF 42 |

INSPECTORS: PK, WV, RGW DATE: 11/29/2001

| RA | TINGS | РНОТО | REMARKS: |
|----------|-------|-----------------|--|
| NEW | PREV | NO. | · |
| 2 | | 26 | Span VI 5 - The top of the platform exhibits 25% map |
| | | | cracking |
| 3 | | 25 | Span I 9 - The end of the rubbing board has an area of |
| 3 | | 20 | Span I 9 - The end of the rubbing board has an area of 3"x3"x2" which is missing |
| | | | 3 X3 X2 WIIGH IS MISSING |
| 1 | | 23 | Station House NA - The lock on the handicap stall in the women's |
| | | | bathroom is broken. Also note that this occurs |
| | | | in the men's bathroom |
| | | | |
| 3 | | 27,28 | Station House NA - The top of the surface exhibits a 8' crack on the |
| | | | North side and a 17' crack on the South side |
| 3 | | 3,4 | Quad I Stripping - There is minor fading of the stripping |
| ١ | | 5,4 | Carpping Thorono minor launing of the surpping |
| 3 | | 18 | Quad I Drain - Garbage and vegetation covers the drain in |
| | | | Northeast area of Quad I |
| | | | |
| 3 | | 19 | Quad I Sidewalk - The top of the sidewalk of the North Island in |
| | | | Quad I exhibits a 6' crack and spalled concrete |
| 3 | | 24 | Quad I Surface - The top of the surface exhibits a 20' crack |
| | | 24 | - The top of the surface exhibits a 20 crack |
| 3 | | 21-22 | Quad II Surface - The top of the West sidewalk exhibits cracks |
| | | | and rusting below the railing. |
| | | | |
| 3 | | 20 | Quad II Surface - The top of the surface exhibits minor cracks |
| | | | in various areas. |
| <u> </u> | | 4.4 | Ound II. Stripping. The stripping sublisher miner feding |
| 3 | | 14 | Quad II Stripping - The stripping exhibits minor fading |
| 2 | | 17 | Quad II Curb - The curbing for the islands exhibits many |
| | | '' | areas of spalled concrete |
| | | | |
| | | | |
| | | | |
| | | | |
| <u> </u> | | | |
| <u> </u> | | | |
| <u> </u> | | 1 | ı |

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 22 OF 42 SHEET

| PHOTO NO. 1 | | 1 | |
|--|----|----------|-------------|
| Location: South end of Quad II | | | |
| Description: General view of Quad I | | | |
| Reference: Looking South | | | |
| - DUOTO NO O | | | |
| PHOTO NO. 2 Location: Southeast corner of | s∉ | | |
| Quad II Description: General view of Quad I | | | |
| Reference: | | | > |
| Looking Southwest | | Danbury | WV, RGW |
| | | STATION: | INSPECTORS: |

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 23 OF 42

| | OHLLH | | | |
|---|--|--|------------------|---------|
| PHOTO NO. 3 | | | Ī | ĺ |
| Location: South end of Quad I | | | | |
| Description: General view of Quad I | The state of the s | | | |
| Reference: Looking North | | | | |
| PHOTO NO. 4 Location: Southwest corner of | | | | |
| Quad I Description: General view of Quad I | | | | |
| Reference: Looking Northeast | | | Danbury | WV, RGW |
| | | | : : : : | CTORS: |

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 24 OF 42 SHEET

| | - - | |
|--------------------------------------|----------------|----------|
| PHOTO NO. 5 | | |
| Location: North end of Quad II | | |
| Notifield of Quad if | | |
| Description: General view of Quad II | | |
| | | |
| | | |
| Reference: | | |
| Looking South | | |
| | | |
| | | |
| | | |
| PHOTO NO. 6 | | |
| Location: South end of Quad II | | |
| Description: | | |
| General view of Quad II | | |
| | | |
| | | |
| Reference: Looking North | | 2 |
| | | Danhiiry |
| | | |
| | | |

WV, RGW STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 25 OF 42

| PHOTO NO7 | 1 |
|--|-------------------|
| Location: Westside of Quad II | |
| Description: General view of Quad II | |
| Reference: Looking Southeast | |
| PHOTO NO8 Location: Westside of Quad II | |
| Description: General view of Quad II | |
| Reference: Looking Northeast | Danbury WV RGW |
| | STATION: |

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 26 OF 42 SHEET

| | | | | | STATION: Danbury |
|--|--|--|--|--|------------------|
|--|--|--|--|--|------------------|

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 27 OF 42 SHEET

| PHOTO NO. 11 | 1 |
|--|---------|
| Location: Span VI of the platform Description: Genearl view of the platform | |
| Reference: Looking North | |
| PHOTO NO. 12 Location: South end of the platform | - |
| Description: General view of the platform Reference: | ٨ |
| Looking North | Danbury |
| | :NOI |

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CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 28 OF 42 SHEET

| | | | | STATION: Danbury |
|--|--|--|--|------------------|
|--|--|--|--|------------------|

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 29 OF 42 SHEET

| PHOTO NO15 Location: South end of the | |
|---|--|
| platform | |
| Description: Typical view of the canopy | |
| Reference: Looking North | |
| PHOTO NO. <u>16</u> | |
| Location: Span I of the platform | |
| Description: Typical view of the rubbing board, warning strip, and an expansion joint | |
| Reference: Looking North | |

Danbury WV, RGW STATION: INSPECTORS:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 30 OF 42

| | <u></u> |
|---|---------|
| PHOTO NO. <u>17</u> | |
| Location: | |
| South island in Quad II | |
| | |
| Description: Typical spalled concrete | |
| area (6" x 4" x 1") along | |
| the curb | |
| | |
| Reference: | |
| Looking North | |
| | |
| | |
| | |
| | |
| PHOTO NO. <u>18</u> | |
| Location: | |
| Eastside of Quad I, | |
| close to the Northside Quad I | |
| Description: | |
| Garbage and vegetation covering the drain | |
| | |
| | |
| Reference: | |
| Looking East | |
| | |
| | |
| | |

Danbury WV, RGW

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

SHEET 31 OF 42 PHOTO NO. 19 Location: North end of Quad I Description: 6' crack and spalled concrete curb (5'x1"x1/4" on the Northwest corner of the island in front of the station house Reference: Looking Southeast PHOTO NO. 20 Location: Southside of Quad II Description: 4' crack extending from the Northeast corner of the South island in Quad II

Reference:

Looking West

WV, RGW

INSPECTORS: STATION:

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 32 OF 42

PHOTO NO. 21

Location:

Westside railing in

Quad II

Description:

Rust and an 8 inch

crack extending from bottom of the railing

post, typical throughout

the railing

Reference:

Looking West



PHOTO NO. 22

Location:

Westside railing in

Quad II

Description:

Rust, spalled concrete, and cracking exhibited at the base of the railing

post

Reference:

Looking down



Danbury WV, RGW

STATION: Dan INSPECTORS: WV,

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT

| | SHEET | 33 OF 42 |
|--|-------|----------|
| PHOTO NO. 23 Location: Middle of the woman's bathroom Description: Missing lock on the handicap stall Reference: Looking North | | |
| PHOTO NO. 24 Location: Northwest corner of Quad I Description: 20' crack along the Southside of the brick in front of the station house Reference: Looking Fast | | |



Danbury WV, RGW

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 34 OF 42

PHOTO NO. 25 Location: South end of the platform Description: Broken timber rubbing board (3" x 3" x 2") Reference: Looking down PHOTO NO. 26 Location: Eastside of Span VI Description: 25% map cracking in Span VI Danbury WV, RGW Reference: Looking West

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 35 OF 42

| PHOTO NO. <u>27</u> |
|---------------------------------------|
| Location: Northeast corner of |
| the sidewalk around the station house |
| |

Description: 8' crack extanding from the Northeast corner of the sidewalk

Reference: Looking Southwest



PHOTO NO. 28

Location:

Northwest corner of Quad I

Description:

17' crack extending to from the curb to the South face of the station house

Reference: Looking West



Danbury WV, RGW

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 36 OF 42 SHEET

| PHOTO NO. | 29 |
|-----------|----|

Location:

parking lot

Description:

electrical utility service pole

Reference:
Station Building
Service Section



PHOTO NO. 30

Location:

building waiting room

Description:

waiting room lighting

Reference:

Station Building Lighting Section



STATION: Danbury
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 37 OF 42 SHEET

PHOTO NO. 31 Location: building break room Description: lighting Reference:
Station Building
Lighting Section PHOTO NO. 32 Location: platform Description: lighting

Reference: Platform Lighting Section

STATION: Danbury
INSPECTORS: Jim Connell & Dave Lang

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 38 OF 42

PHOTO NO. 33

Location:

DANBURY STATION

Description:

Side of building with deteriorated downspouts

Reference:

Mechanical



PHOTO NO. 34

Location:

COMMON/ WAITING ROOM

Description:

Drinking water fountains, one handicapped

accessible

Reference:

Mechanical



STATION: DANBURY INSPECTORS: J. Duncan & T. Abrahamson

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 39 OF 42

PHOTO NO. 35

Location:

COMMON/ WAITING ROOM

Description:

Linear

Diffusers at ceiling side

along glass

Reference:

Mechanical



PHOTO NO. 36

Location:

ATTIC

Description:

Heating and airconditioning

fabricated unit

Reference:

Mechanical



STATION: DANBURY

INSPECTORS: J. Duncan & T. Abrahamson

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT 40 OF 42 SHEET

PHOTO NO. 37

Location:

EQUIPMENT ROOM

Description:

Backflow

preventer for

heating makeup

water

Reference:

Mechanical



PHOTO NO. 38

Location:

EQUIPMENT

ROOM

Description:

Hot water

heat exchanger,

all pipes insulated

Reference:

Mechanical



STATION: DANBURY
INSPECTORS: J. Duncan & T. Abrahamson

CONN. DEPT OF TRANSPORTATION STATION INSPECTION REPORT SHEET 41 OF 42

| PHOTO NO. <u>39</u> | |
|--|-----|
| Location: EQUIPMENT ROOM | |
| Description: Two Weil McLain gas boilers and two hot water circulating pumps | |
| Reference: Mechanical | 190 |
| | |
| PHOTO NO. | |
| Location: | |
| Description: | |
| | |
| Reference: | |
| | |
| | |
| | |

STATION: DANBURY
INSPECTORS: J. Duncan & T. Abrahamson

| Danbury Station | | | | |
|------------------------|-------|----------|--------------|------------|
| Description * | Units | Quantity | Price / Unit | Total Cost |
| | | | | |
| | | | | |
| | | | | |
| Sub-total | | | | 0.00 |
| Contingency (10%) | | | | 0.00 |
| Grand Total | | | | 0.00 |

^{*} The extent of deterioration noted during our inspection is minimal and does not require immediate repair. The type of extent of deterioration will not affect the station operations or commuters. Therefore, we recommend the that defects noted in this report be included in a future station maintenance rehabilitation contract.